SR CONSULTANTS AND ENGINEERS

Building & Highway Material Testing,
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Soil Stabilization & Surveys.

TEST REPORT ON CEMENT

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 16.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Cross for Drain
Technical Reference	: IS-4031 (Part -1, 3, 4, 5 & 6) 1988 (RA-2014)
Material description	: OPC 53 grade Cement
Date of Reciept of Sample	: 16.11.2022
Date of testing	: 16.11.2022

TEST RESULTS

Sl.No	Physical Parameters	Test Results	Requirements as per IS: 269-2020
1	Consistancy	29.50%	-
2	Initial Setting Time	170 minutes	Not Less than 30 Minutes
3	Final Setting Time	395 minutes	Not More than 600 Minutes
4	Soundness by Le - Chatelier's Method	1 mm	Not more than 10mm
5	Fineness by Dry Sieving Method	7.32%	Not more than 10%

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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Assistant Executive Engineer
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TEST REPORT ON CEMENT

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 17.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Cross for Drain
Technical Reference	: IS-4031 (Part -1, 3, 4, 5 & 6) 1988 (RA-2014)
Material description	: OPC 53 grade Cement
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Sl.No	Physical Parameters	Test Results	Requirements as per IS: 269-2020
1	Consistancy	28.50%	-
2	Initial Setting Time	165 minutes	Not Less than 30 Minutes
3	Final Setting Time	390 minutes	Not More than 600 Minutes
4	Soundness by Le - Chatelier's Method	1 mm	Not more than 10mm
5	Fineness by Dry Sieving Method	7.62%	Not more than 10%

*Data Specified by Contractor.

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TEST REPORT ON CEMENT

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 17.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road for Culvert
Technical Reference	: IS-4031 (Part -1, 3, 4, 5 & 6) 1988 (RA-2014)
Material description	: OPC 53 grade Cement
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Sl.No	Physical Parameters	Test Results	Requirements as per IS: 269-2020
1	Consistancy	29.00%	-
2	Initial Setting Time	160 minutes	Not Less than 30 Minutes
3	Final Setting Time	380 minutes	Not More than 600 Minutes
4	Soundness by Le - Chatelier's Method	1 mm	Not more than 10mm
5	Fineness by Dry Sieving Method	8.32%	Not more than 10%

*Data Specified by Contractor.

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TEST REPORT ON FINE AGGREGATES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 16.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th cross for Drain
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: Sand
Date of Reciept of Sample	: 16.11.2022
Date of testing	: 16.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 1500

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	87	87	5.80	94.20	90-100
2.36	163	250	16.67	83.33	75-100
1.18	335	585	39.00	61.00	55-90
600 Micron	387	972	64.80	35.20	35-59
300 Micron	386	1358	90.53	9.47	8-30
150 Micron	112	1470	98.00	2.00	0-10

*Data Specified by Contractor.

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TEST REPORT ON FINE AGGREGATES

SRCE No. : SRCE-BBMP-177-2022-23
Date. : 17.11.2022

Client Name : **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
***Contractor Name** : **Shri. B. Girish,** Contractor, Bangalore.
Project Name : Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference : BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample : Sample Supplied by Contractor.
Location : 5th cross for Drain
Technical Reference : IS 2386 (Part-1)- 1963 RA 2016
Material description : Sand
Date of Reciept of Sample : 17.11.2022
Date of testing : 17.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 1500

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	82	82	5.47	94.53	90-100
2.36	152	234	15.60	84.40	75-100
1.18	346	580	38.67	61.33	55-90
600 Micron	375	955	63.67	36.33	35-59
300 Micron	389	1344	89.60	10.40	8-30
150 Micron	125	1469	97.93	2.07	0-10

*Data Specified by Contractor.

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TEST REPORT ON FINE AGGREGATES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 17.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main road for Culvert
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: Sand
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 1500

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Spec.Limits For Zone-II
10	0	0	0	100	100
4.75	93	93	6.20	93.80	90-100
2.36	169	262	17.47	82.53	75-100
1.18	345	607	40.47	59.53	55-90
600 Micron	352	959	63.93	36.07	35-59
300 Micron	382	1341	89.40	10.60	8-30
150 Micron	107	1448	96.53	3.47	0-10

*Data Specified by Contractor.

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TEST REPORT ON COARSE AGGREGATES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 16.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Main for Drain
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: 20mm Coarse Aggregates
Date of Reciept of Sample	: 16.11.2022
Date of testing	: 16.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 5000

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Requirements as per IS 383:2021
40	0	0	0	100	100
20	239	239	4.78	95.22	95-100
10	2662	2901	58.02	41.98	25-55
4.75	1757	4658	93.16	6.84	0-10

*Data Specified by Contractor.

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Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Main for Drain
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: 20mm Coarse Aggregates
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 5000

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Requirements as per IS 383:2021
40	0	0	0	100	100
20	232	232	4.64	95.36	95-100
10	2785	3017	60.34	39.66	25-55
4.75	1642	4659	93.18	6.82	0-10

*Data Specified by Contractor.

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TEST REPORT ON COARSE AGGREGATES

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***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road for Culvert
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: 20mm Coarse Aggregates
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 5000

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Requirements as per IS 383:2021
40	0	0	0	100	100
20	221	221	4.42	95.58	95-100
10	2145	2366	47.32	52.68	25-55
4.75	2154	4520	90.40	9.60	0-10

*Data Specified by Contractor.

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TEST REPORT ON COARSE AGGREGATES

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Date.	: 16.11.2022
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***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Cross for Drain
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: 40mm Coarse Aggregates
Date of Reciept of Sample	: 16.11.2022
Date of testing	: 16.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 15000

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Requirements as per IS 383:2021
80	0	0	0	100	100
40	413	413	2.75	97.25	95-100
20	8346	8759	58.39	41.61	30-70
10	3459	12218	81.45	18.55	10-35
4.75	2315	14533	96.89	3.11	0-5

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON COARSE AGGREGATES

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Date.	: 17.11.2022
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***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Cross for Drain
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: 40mm Coarse Aggregates
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 15000

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Requirements as per IS 383:2021
80	0	0	0	100	100
40	421	421	2.81	97.19	95-100
20	8457	8878	59.19	40.81	30-70
10	3562	12440	82.93	17.07	10-35
4.75	2491	14931	99.54	0.46	0-5

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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BBMP, Bangalore

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TEST REPORT ON COARSE AGGREGATES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 17.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road for Culvert
Technical Reference	: IS 2386 (Part-1)- 1963 RA 2016
Material description	: 40mm Coarse Aggregates
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Total Wt. of Aggregates in gms 15000

Sieve Size in mm	Weight retained (gms)	Cumulative weight retained (gms)	Percentage Cumulative weight retained (%)	Percentage Passing (%)	Requirements as per IS 383:2021
80	0	0	0	100	100
40	409	409	2.73	97.27	95-100
20	8256	8665	57.77	42.23	30-70
10	3754	12419	82.79	17.21	10-35
4.75	2121	14540	96.93	3.07	0-5

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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Assistant Executive Engineer
Kodigehalli Sub Division
BBMP, Bangalore

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Soil Stabilization & Surveys.

TEST REPORT ON STEEL

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 17.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
Contractor Name	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th cross for Drain
Technical Reference	: IS- 1786 :2008 IS 1608:2005, IS 1599:1985 (RA-2018)
Material description	: Steel (8mm, 10mm, and 12mm, dia TMT Bars "Fe 500")
Date of Reciept of Sample	: 17.11.2022
Date of testing	: 17.11.2022

TEST RESULTS

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	8	0.406	532	565	15
2	10	0.617	554	580	16
3	12	0.889	577	604	17

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TECHNICAL MANAGER

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TEST REPORT ON STEEL

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 18.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
Contractor Name	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th cross for Drain
Technical Reference	: IS- 1786 :2008 IS 1608:2005, IS 1599:1985 (RA-2018)
Material description	: Steel (8mm, 10mm, and 12mm, dia TMT Bars "Fe 500")
Date of Reciept of Sample	: 18.11.2022
Date of testing	: 18.11.2022

TEST RESULTS

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	8	0.385	534	562	15
2	10	0.623	558	581	16
3	12	0.887	576	603	17

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON STEEL

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 19.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
Contractor Name	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road for Culvert
Technical Reference	: IS- 1786 :2008 IS 1608:2005, IS 1599:1985 (RA-2018)
Material description	: Steel (8mm, 10mm, and 12mm, dia TMT Bars "Fe 500")
Date of Reciept of Sample	: 19.11.2022
Date of testing	: 19.11.2022

TEST RESULTS

Sl.No	Nominal size (dia in mm)	Mass per metre (kg/metre)	TENSILE STRENGTH		
			0.20 % proof stress/ yield stress ($N/mm^{2)}$	Tensile strength ($N/mm^{2)}$	Elongation, percent on gauge length
1	8	0.412	533	562	15
2	10	0.694	555	584	16
3	12	0.886	579	609	17

*Data Specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON PRECAST SLAB

SRCE No. : SRCE-BBMP-177-2022-23
Date. : 02.12.2022

Client Name : **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
*Contractor Name : **Shri. B. Girish,** Contractor, Bangalore.
Project Name : Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference : BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample : Sample Supplied by Contractor.
Technical Reference : IS 516 - 1959 RA 2018
Material description : Precast Slab 100mm thick
Date of Reciept of Sample : 02.12.2022
Date of testing : 02.12.2022

TEST RESULTS

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	50.00	85.50	0.425	2531.587	1.71	0.960	42.06	21.42	22.06	21.18	26.48
2	50.00	82.00	0.407	2527.846	1.64	0.960	41.88	21.33	21.97	21.09	26.36
3	50.00	83.50	0.412	2512.933	1.67	0.960	40.30	20.52	21.14	20.29	25.37

* Data specified by Contractor.

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TEST REPORT ON PRECAST SLAB

SRCE No. : SRCE-BBMP-177-2022-23
Date. : 03.12.2022

Client Name : **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, , BBMP, Bangalore.
*Contractor Name : **Shri. B. Girish,** Contractor, Bangalore.
Project Name : Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Reference : BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample : Sample Supplied by Contractor.
Technical Reference : IS 516 - 1959 RA 2018
Material description : Precast Slab 230mm thick
Date of Reciept of Sample : 03.12.2022
Date of testing : 03.12.2022

TEST RESULTS

Sl. No.	Dia of Core D (mm)	Height of Core H (mm)	Core Wt (Kg)	Density of Core (kg / m^3)	H / D	Correction factor (Based on H/D)	Failure Load (kN)	Core Strength (N/mm^2)	Correction Factor for the Dia. (Strength of the Core x 1.08)	Corrected Cylinder Compressive Strength (N/mm^2)	Equivalent Cube Compressive Strength (N/mm^2)
1	100.00	115.28	2.331	2574.533	1.15	0.960	161.87	20.61	21.23	20.38	25.47
2	100.00	119.30	2.332	2488.847	1.19	0.960	169.38	21.57	22.21	21.32	26.66
3	100.00	123.41	2.329	2402.864	1.23	0.960	168.88	21.50	22.15	21.26	26.58

* Data specified by Contractor.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 28.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th cross
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 7 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.11.2022	28.11.2022	8.107	342.8	15.24
2	21.11.2022	28.11.2022	8.105	355.2	15.79
3	21.11.2022	28.11.2022	8.116	325.8	14.48

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 29.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th cross
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 7 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.11.2022	29.11.2022	8.109	340.7	15.14
2	22.11.2022	29.11.2022	8.101	353.2	15.70
3	22.11.2022	29.11.2022	8.115	330.4	14.68

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 17.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 7 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.11.2022	29.11.2022	8.106	316.8	14.08
2	22.11.2022	29.11.2022	8.105	348.2	15.48
3	22.11.2022	29.11.2022	8.118	351.2	15.61

* Data specified by Contractor.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 30.11.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 7 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.11.2022	30.11.2022	8.108	315.8	14.04
2	23.11.2022	30.11.2022	8.103	342.8	15.24
3	23.11.2022	30.11.2022	8.110	334.8	14.88

* Data specified by Contractor.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 01.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Culvert
Age of Concrete	: 7 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.11.2022	01.12.2022	8.104	320.4	14.24
2	24.11.2022	01.12.2022	8.109	336.9	14.97
3	24.11.2022	01.12.2022	8.113	342.8	15.24

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 02.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Culvert
Age of Concrete	: 7 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.11.2022	02.12.2022	8.104	319.7	14.21
2	25.11.2022	02.12.2022	8.111	325.6	14.47
3	25.11.2022	02.12.2022	8.115	335.8	14.92

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 19.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Cross
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 28 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	21.11.2022	19.12.2022	8.196	503.2	22.36
2	21.11.2022	19.12.2022	8.184	487.3	21.66
3	21.11.2022	19.12.2022	8.179	473.6	21.05

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 20.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 5th Cross
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 28 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.11.2022	20.12.2022	8.184	452.3	20.10
2	22.11.2022	20.12.2022	8.173	522.4	23.22
3	22.11.2022	20.12.2022	8.151	504.2	22.41

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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SR CONSULTANTS AND ENGINEERS

Building & Highway Material Testing,
Geotechnical Investigation, Non Destructive Testing,
Soil Stabilization & Surveys.

TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 20.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 28 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	22.11.2022	20.12.2022	8.153	486.4	21.62
2	22.11.2022	20.12.2022	8.175	473.2	21.03
3	22.11.2022	20.12.2022	8.164	464.2	20.63

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

Notes:-

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 21.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Drain
Age of Concrete	: 28 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	23.11.2022	21.12.2022	8.163	486.2	21.61
2	23.11.2022	21.12.2022	8.185	464.8	20.66
3	23.11.2022	21.12.2022	8.192	506.6	22.52

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 22.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Culvert
Age of Concrete	: 28 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	24.11.2022	22.12.2022	8.162	482.3	21.44
2	24.11.2022	22.12.2022	8.174	512.4	22.77
3	24.11.2022	22.12.2022	8.169	475.9	21.15

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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TEST REPORT ON CONCRETE CUBES

SRCE No.	: SRCE-BBMP-177-2022-23
Date.	: 23.12.2022
Client Name	: **Assistant Executive Engineer,** Byatarayanapura/Kodigehalli/Vidyaranyapura Sub division, BBMP, Bangalore.
***Contractor Name**	: **Shri. B. Girish,** Contractor, Bangalore.
Project Name	: Flood Relief work in Netaji Nagara and Surrounding Areas in ward No.07 Byatarayanapura
Letter Refference	: BBMP/EE/BTP/ WO/69/2022-23, Dated: 10.11.2022
Source of Sample	: Sample Supplied by Contractor.
Location	: 1st Main Road
Technical Reference	: IS 516 - 1959 RA 2018
Material description	: Cement Concrete for Culvert
Age of Concrete	: 28 days
Grade of Concrete	: M_{20}

TEST RESULTS

Sl.No / Identification	* Date of casting	Date of testing	Weight of cube (Kg)	Failure load (KN)	Compressive strength (N/mm^2)
1	25.11.2022	23.12.2022	8.159	482.7	21.45
2	25.11.2022	23.12.2022	8.188	517.8	23.01
3	25.11.2022	23.12.2022	8.199	498.4	22.15

* Data specified by Contractor.

Remarks : The above tested Sample Confirms as per IS Specifications.

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